Yorkshire Dales National Park

Forecast valid from 00:00 on Sunday 11 Apr 2021 until 23:59 on Monday 12 Apr 2021

Forecast Issued on Saturday 10 Apr 2021 at 15:55

Confidence: High for a continuation of the cold and wintry weather conditions on Sunday but low to moderate for extent of showers and snow, especially Sunday afternoon and evening. Relatively high confidence for a period of more settled during next week.

Headline for Sunday 11 Apr 2021: Cold and bright at first with heavy wintry showers developing late morning and continuing through the afternoon and evening.

Mountain weather hazards on Sunday 11 Apr 2021

Blizzards No Likelihood	**Heavy Snow** Low Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Heavy snow showers	Heavy snow showers	Heavy snow showers	Partly cloudy (night)
Precipitation probability							
10%	10%	10%	10%	60%	70%	50%	30%

Forecast for Sunday 11 Apr 2021

Weather: Mostly dry through the early hours with clear skies and a widespread and locally sharp frost developing at all levels. Icy patches will also develop after showers during Saturday so paths may be icy and slippery early in the day. Much of the morning will then be fine with spells of sunshine helping to melt frost and ice. However, shower clouds will develop through late morning with an increasing risk of heavy showers during the afternoon. These are likely to be a mixture of rain, sleet and snow with some heavy bursts likely, especially at elevation. Given the time of year and strength in the sun, any accumulations are likely to be temporary and limited to vegetation. Through the evening showers may become more frequent giving some more persistent bursts of sleet and snow before these steadily ease towards midnight.

Chance of cloud free mountain/hill tops above 600m: 80% overnight and during the morning, decreasing to 60% through the afternoon with bases lowering to 400-500m in snow showers. Decreasing further through the early evening to 20% with bases more regularly around 300-500m in precipitation.

Visibility: Excellent outside of precipitation with far reaching hills clearly visible. But falling rapidly in showers to just a few hundred metres in snow or 1-5km in sleet or rain. Show showers will make even nearby ridges or become vegetation obscured.

Forecast for Sunday 11 Apr 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/9 NE	5/10 NE	6/12 NE	10/16 N	10/15 N	9/14 N	6/10 N	6/9 N	5/9 NW
300	4/10 NE	6/12 N	6/14 N	8/15 N	9/14 NW	6/13 N	5/10 N	4/8 NW	4/8 NW
Valley	3/8 NE	2/7 N	2/8 N	7/14 N	8/15 N	9/17 N	4/10 N	3/8 NE	1/4 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-3/-6	-4/-8	-4/-8	-1/-6	-0/-5	-1/-6	-2/-5	-4/-7	-4/-8
300	-2/-5	-3/-7	-2/-6	2/-2	3/-0	2/-1	0/-2	-2/-5	-4/-7
Valley	0/-2	-3/-5	-3/-5	4/1	5/2	3/-0	2/0	-0/-3	-2/-4
Freezing Level*	100m	00m	00m	200m	200m	200m	200m	100m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Cold for the time of year, especially in snow showers despite fairly light winds. Note that in between showers, the sunshine will still be strong.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 10 Apr 2021	0mm	2.2mm	6.2mm

Forecast for Monday 12 Apr 2021

Weather: Wintry showers will fade during the early hours with most places becoming dry and clear with a widespread frost and risk of ice after the showers on Sunday. A few mist and fog patches may develop through the early hours towards dawn and there may be some slight accumulations of snow on vegetation which will freeze as well creating slippery paths. Through Monday most places will have a fine day with long period of sunshine. A little fair weather cloud may develop through the day but it should stay dry.

Maximum wind: 10-15mph from the northwest (but light and variable at times).

Chance of cloud free mountain/hill tops above 600m: Generally 90% or greater.

Visibility: Excellent with far reaching hills clearly visible.

Temperature: **Valleys:** Minus 3, rising to plus 7.
At 600m: Minus 1, rising to plus 1.
Freezing level: Surface, rising to near summits but lowering again to surface overnight.